# Step 2: DOT Job Aid

Use the decision tree below to help you classify your substance if shipping by motor vehicle courier/ground in accordance with Hazardous Materials Regulations (HMR). Use the IATA job aid for packages sent by air.

Substance for Classification

Not subject to the requirements as Division 6.2 material

Is it known NOT to contain an infectious substance?

Are the micro-organisms present non-pathogenic to humans and animals?

Have the pathogens present been neutralized or inactivated so they no longer pose a health risk?

Is it an environmental sample (e.g., food or water) that is not considered to pose a significant health risk?

Is it a biological product or a biological material (e.g., blood product, tissue, or organ) subject to US Department of Health and Human Services or US Department of Agriculture regulation?

Is it a dried bloodspot or fecal occult blood?

Is it laundry or medical equipment, or a used health care product that conforms to 29 CFR 1910.1030?

Is it forensic material that complies with US, state, local, or Indian tribal government regulations?

Is it an agricultural product or food defined under the federal Food, Drug, and Cosmetics Act?

Is it intended for transplant/ transfusion?

No to all to all

Yes to any

Does it meet the definition of a Category A substance?

Yes

No

UN2814 Infectious substance, affecting humans; or UN2900 Infectious substance, affecting animals (as appropriate)

Is it a patient specimen that is unlikely to cause disease in humans or animals or for which there is only a minimal likelihood that pathogens are present; or is it a patient sample transported by private or contract carrier in a motor vehicle used exclusively for these materials?

No

UN3373 Biological substance, Category B

Yes

##### Category A Infectious Substance Indicative List

The following list is not exhaustive. Infectious substances, including new or emerging pathogens, which do not appear in the list, but which meet the same criteria, must be assigned to Category A. In addition, if there is doubt as to whether a substance meets the criteria it must be included in Category A.

**UN2814 Infectious substance,**

**UN2900 Infectious substance, affecting animals**

African swine fever virus (cultures only)

Avian paramyxovirus Type 1 – Velogenic Newcastle disease virus (cultures only)

Classical swine fever virus (cultures only)

Foot and mouth disease virus (cultures only)

Lumpy skin disease virus (cultures only)

*Mycoplasma mycoides* – Contagious bovine pleuropneumonia (cultures only)

Peste des petits ruminants virus (cultures only)

Rinderpest virus (cultures only)

Sheep-pox virus (cultures only)

Goatpox virus (cultures only)

Swine vesicular disease virus (cultures only)

**affecting humans**

*Bacillus anthracis (cultures only)*

*Brucella abortus (cultures only)*

*Brucella melitensis (cultures only)*

*Brucella suis (cultures only)*

*Burkholderia mallei – Pseudomonas mallei – Glanders (cultures only)*

*Burkholderia pseudomallei – Pseudomonas pseudomallei (cultures only)*

*Chlamydia psittaci – avian strains (cultures only)*

*Clostridium botulinum (cultures only)*

*Coccidioides immitis (cultures only)*

*Coxiella burnetii (cultures only)*

*Crimean-Congo hemorrhagic fever virus*

*Dengue virus (cultures only)*

*Eastern equine encephalitis virus (cultures only)*

*Escherichia coli, verotoxigenic (cultures only)*

*Ebola virus*

*Flexal virus*

*Francisella tularensis (cultures only)*

*Guanarito virus*

*Hantaan virus*

*Hantavirus causing hemorrhagic fever with renal syndrome*

*Hendra virus*

*Herpes B virus (cultures only)*

*Human immunodeficiency virus (cultures only)*

*Highly pathogenic avian influenza virus (cultures only)*

*Japanese Encephalitis virus (cultures only)*

*Junin virus*

*Kyasanur Forest disease virus*

*Lassa virus*

*Machupo virus*

*Marburg virus*

*Mpox virus*

*Mycobacterium tuberculosis (cultures only)*

*Nipah virus*

Omsk hemorrhagic fever virus

*Poliovirus* (cultures only)

Rabies and other lyssaviruses (cultures only)

*Rickettsia prowazekii* (cultures only)

*Rickettsia rickettsii* (cultures only)

Rift Valley fever virus (cultures only)

*Russian spring-summer encephalitis virus* (cultures only)

Sabia virus

*Shigella dysenteriae type 1* (cultures only)

Tick-borne encephalitis virus(cultures only)

Variola virus

Venezuelan equine encephalitis virus (cultures only)

*West Nile virus* (cultures only)

*Yellow fever virus* (cultures only)

*Yersinia pestis* (cultures only)

**UN2814 Infectious substance,**

**affecting humans**

*Bacillus anthracis (cultures only)*

*Brucella abortus (cultures only)*

*Brucella melitensis (cultures only)*

*Brucella suis (cultures only)*

*Burkholderia mallei – Pseudomonas mallei – Glanders (cultures only)*

*Burkholderia pseudomallei – Pseudomonas pseudomallei (cultures only)*

*Chlamydia psittaci – avian strains (cultures only)*

*Clostridium botulinum (cultures only)*

*Coccidioides immitis (cultures only)*

*Coxiella burnetii (cultures only)*

*Crimean-Congo hemorrhagic fever virus Dengue virus (cultures only)*

*Eastern equine encephalitis virus (cultures only)*

*Escherichia coli, verotoxigenic (cultures only)*

*Ebola virus*

*Flexal virus*

*Francisella tularensis (cultures only)*

*Guanarito virus*

*Hantaan virus*

*Hantavirus causing hemorrhagic fever with renal syndrome*

*Hendra virus*

*Herpes B virus (cultures only)*

*Human immunodeficiency virus (cultures only)*

*Highly pathogenic avian influenza virus (cultures only)*

*Japanese Encephalitis virus (cultures only)*

*Junin virus*

*Kyasanur Forest disease virus*

*Lassa virus*

*Machupo virus*

*Marburg virus*

*Monkeypox virus*

*Mycobacterium tuberculosis (cultures only)*

*Nipah virus*

Omsk hemorrhagic fever virus

*Poliovirus* (cultures only)

Rabies and other lyssaviruses (cultures only)

*Rickettsia prowazekii* (cultures only)

*Rickettsia rickettsii* (cultures only)

Rift Valley fever virus (cultures only)

*Russian spring-summer encephalitis virus* (cultures only)

Sabia virus

*Shigella dysenteriae type 1* (cultures only)

Tick-borne encephalitis virus(cultures only)

Variola virus

Venezuelan equine encephalitis virus (cultures only)

Vesicular stomatitis virus (cultures only)

*West Nile virus* (cultures only)

*Yellow fever virus* (cultures only)

*Yersinia pestis* (cultures only)

**UN2900 Infectious substance, affecting animals**

African swine fever virus (cultures only)

Avian paramyxovirus Type 1 – Velogenic Newcastle disease virus (cultures only)

Classical swine fever virus (cultures only)

Foot and mouth disease virus (cultures only)

Lumpy skin disease virus (cultures only)

*Mycoplasma mycoides* – Contagious bovine pleuropneumonia (cultures only)

Peste des petits ruminant’s virus (cultures only)

Rinderpest virus (cultures only)

Sheep-pox virus (cultures only)

Goatpox virus (cultures only)

Swine vesicular disease virus (cultures only)

Vesicular stomatitis virus (cultures only)

This job aid is a component of the free, on-demand CDC training course “Packing and Shipping Dangerous Goods: What the Laboratory Staff Must Know.” Find the course at [https://reach.cdc.gov/training](https://reach.cdc.gov/course/packing-and-shipping-dangerous-goods-what-laboratory-staff-must-know).

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